

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

- 1-17. (Cancelled)
18. (Currently Amended) A method for lining concrete structures comprising:
- (a) preparing a surface of a concrete structure for application of a foam liner material;
  - (b) applying a foam liner material to said surface of said concrete structure; and
  - (c) curing said foam liner material to form at least two distinct layers, namely a surface layer and a barrier layer on said concrete structure.
19. (Previously Presented) The method of claim 18, wherein the foam liner material comprises a polyurea foam.
20. (Previously Presented) The method of claim 18, wherein the foam liner material comprises a polyurethane foam.
21. (Previously Presented) The method of claim 18, wherein step (a) further includes the steps of:
- (a) pressure washing the surface of the concrete structure; and
  - (b) heat drying the surface of the concrete structure.
22. (Previously Presented) The method of claim 18, wherein said foam liner is applied directly to said surface of said concrete structure.
23. (Currently Amended) A method for lining concrete structures comprising:
- (a) preparing a surface of a concrete structure for receipt of a foam material;
  - (b) applying a foam material directly to said surface of said concrete structure; and

(c) curing said foam material, the curing of which ~~to~~ results in the formation of a protective liner over said concrete structure, said protective liner having at least two distinct layers.

24. **(Previously Presented)** The method of claim 23, wherein the step of curing results in a protective liner with at least two separate layers.
25. **(Previously Presented)** The method of claim 23, wherein the step of curing results in a protective liner with at least three separate layers.
26. **(Previously Presented)** The method of claim 23, wherein the step of curing results in a protective liner comprised of an inner hard shell, an outer bonding layer and an insulative core between said hard shell and bonding layer.
27. **(Previously Presented)** The method of claim 24, wherein one of said layers provides rigidity and structural integrity to the liner.
28. **(Previously Presented)** The method of claim 24, wherein one of said layers is cellular in structure.
29. **(Previously Presented)** The method of claim 24, wherein one of said layers traps air within its structure to provide an insulating effect by said layer.
30. **(Previously Presented)** The method of claim 24, wherein one of said layers is a bonding layer that bonds the other layer to the surface of the concrete structure.
31. **(Previously Presented)** The method of claim 30, wherein said bonding layer seals the surface of the concrete structure.
32. **(Previously Presented)** The method of claim 25, wherein

- (a) one of said layers provides rigidity and structural integrity to the liner;
- (b) another of said layers is cellular in structure and traps air within a portion of said cells to provide an insulating effect by said layer, and
- (c) another of said layers is a bonding layer that bonds the other layers to the surface of the concrete structure.

33. (Cancelled)

34. (Cancelled)

35. (Cancelled)

36. (Cancelled)

37. (Previously Presented) The method of claim 24, wherein

- (a) said first layer is a closed-cell foam and
- (b) said second layer is a hard, watertight skin.

38. (Previously Presented) The method of claim 24, wherein said protective liner comprises:

- (a) a first layer formed of a closed-cell foam and
- (b) a second layer formed of a hard, watertight shell.

39. (Previously Presented) The method of claim 38, wherein said first layer is disposed adjacent said surface between said surface and said hard, watertight shell.

40. **(Previously Presented)** The method of claim 18, wherein said foam liner material comprises an epoxy.
41. **(Previously Presented)** The method of claim 18, wherein said step of preparing comprises cleaning said surface.
42. **(Previously Presented)** The method of claim 23, wherein said step of preparing comprises cleaning said surface.